

### **AMENDMENTS**

The following listing of Claims will replace all prior versions and listing of claims in the application.

1. (original) A computer readable medium integrated into a removable cartridge for an image forming device, the medium being programmed with a plurality of image enhancement data sets and data set selection criteria for selecting from among the image enhancement data sets.

2. (currently amended) The medium of Claim 1, wherein at least one ~~the~~ image enhancement data set includes a condition associated with data identifying an image enhancement technique and a parameter for implementing the image enhancement technique.

3. (currently amended) The medium of Claim 1, wherein at least one ~~the~~ image enhancement data set includes a condition associated with a parameter for implementing an image enhancement technique.

4. (original) The medium of Claim 3, wherein the removable cartridge includes a printing component, and the medium is formatted to store a state variable reflecting a state of the printing component and wherein the data set selection criteria represents electronic data that can be processed with the state variable to select from among the image enhancement data sets.

5. (original) A computer readable medium integrated into a removable cartridge that includes a printing component for an image forming device, the medium being formatted to store a state variable reflecting a state of the printing component and programmed with a plurality of image enhancement data sets and data set selection criteria that can be processed with the state variable to

select from among the image enhancement data sets.

6. (original) A removable cartridge for an image forming device, comprising:

a printing component that can be utilized by the image forming device to assist in producing a printed image; and

a memory programmed with a plurality of image enhancement data sets and data set selection criteria for selecting from among the image enhancement data sets.

7. (original) The removable cartridge of Claim 6, further comprising a reservoir for holding imaging material, and wherein the printing component can be utilized by the image forming device to assist in producing a printed image using imaging material from the reservoir.

8. (original) The removable cartridge of Claim 7, wherein the memory is formatted to store a state variable reflecting a state of the printing component, and wherein the data set selection criteria represents electronic data that can be processed with the state variable to select from among the image enhancement data sets.

9. (original) The removable cartridge of Claim 7, wherein the data set selection criteria comprises a look-up table containing a plurality of entries, each entry having data representing a state condition and data identifying an image enhancement data set.

10. (original) A removable cartridge for an image forming device, comprising:

a printing component that can be utilized by the image forming device to assist in producing a printed image; and

a memory formatted to store a state variable reflecting a state of the printing component and programmed with a plurality of image enhancement data sets and data set selection criteria that can be processed with the state variable to select from among the image enhancement data sets.

11. (currently amended) An image enhancement method, comprising the following acts:

obtaining data set selection criteria from a memory integrated into a removable cartridge for an image forming device;

processing the data set selection criteria to select selecting an image enhancement data set from a plurality of image enhancement data sets contained in a the memory integrates integrated into a the removable cartridge for an image forming device; and

implementing an image enhancement technique according to the selected image enhancement data set.

12. (currently amended) The method of Claim 11, wherein the selected image enhancement data set includes data identifying the image enhancement technique and wherein the act of implementing the image enhancement technique further includes comprises implementing the image enhancement technique identified by the image enhancement data set.

13. (currently amended) The method of Claim 11, wherein the selected image enhancement data set includes a parameter and the act of implementing comprises implementing the image enhancement technique according to the parameter.

14. (currently amended) The method of Claim 11, further comprising obtaining a state variable reflecting a state of a printing component and wherein the act of processing comprises processing the data set selection criteria with

the state variable to select the image enhancement data set from among the plurality of image enhancement data sets ~~selecting comprises selecting an image enhancement data set according to the state variable.~~

15. (cancelled)

16. (cancelled)

17. (currently amended) A computer readable medium having instructions for:

obtaining data set selection criteria from a memory integrated into a removable cartridge for an image forming device;

processing the data set selection criteria to select ~~selecting~~ select an image enhancement data set from a plurality of image enhancement data sets contained in a the memory integrated into a the removable cartridge ~~for an image forming device;~~ and

Implementing an image enhancement technique identified by the selected image enhancement data set.

18. (original) The medium of Claim 17, wherein the selected image enhancement data set includes a parameter and the instructions for implementing include instructions for implementing the image enhancement technique according to the parameter.

19. (original) The medium of Claim 17, having further instructions for obtaining a state variable reflecting a state of a printing component and wherein the instructions for selecting include instructions for selecting a image enhancement data set according to the state variable.

20. (cancelled)

21. (currently amended) The medium of Claim 20, having further instructions for obtaining a state variable reflecting a state of a printing component and wherein the instructions for selecting processing include instructions for processing the data set selection criteria with the state variable to select the image enhancement data set from among the plurality of image enhancement data sets.

22. (currently amended) An image enhancement system for an image forming device, comprising a device memory storing default image enhancement data, and execution logic ~~capable of~~ configured to determine ~~determining~~ if cartridge image enhancement data is present and to implementing the cartridge image enhancement data, and if the cartridge image enhancement data is not present, the execution logic is configured to ~~otherwise~~ implementing the default image enhancement data.